

# Jaroslav Dolezel

## List of Publications by Citations

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405  
papers

22,942  
citations

69  
h-index

140  
g-index

433  
ext. papers

28,887  
ext. citations

6.5  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
405	Shifting the limits in wheat research and breeding using a fully annotated reference genome. <i>Science</i> , <b>2018</b> , 361,	33.3	1296
404	A chromosome-based draft sequence of the hexaploid bread wheat ( <i>Triticum aestivum</i> ) genome. <i>Science</i> , <b>2014</b> , 345, 1251788	33.3	1129
403	Estimation of nuclear DNA content in plants using flow cytometry. <i>Nature Protocols</i> , <b>2007</b> , 2, 2233-44	18.8	850
402	A chromosome conformation capture ordered sequence of the barley genome. <i>Nature</i> , <b>2017</b> , 544, 427-433	33.4	822
401	Draft genome sequence of chickpea ( <i>Cicer arietinum</i> ) provides a resource for trait improvement. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 240-6	44.5	781
400	The banana ( <i>Musa acuminata</i> ) genome and the evolution of monocotyledonous plants. <i>Nature</i> , <b>2012</b> , 488, 213-7	50.4	762
399	Nuclear DNA content and genome size of trout and human. <i>Cytometry</i> , <b>2003</b> , 51, 127-8; author reply 129		667
398	Plant DNA flow cytometry and estimation of nuclear genome size. <i>Annals of Botany</i> , <b>2005</b> , 95, 99-110	4.1	620
397	The origin, evolution and proposed stabilization of the terms Rgenome sizePand R-valuePto describe nuclear DNA contents. <i>Annals of Botany</i> , <b>2005</b> , 95, 255-60	4.1	462
396	Comparison of three DNA fluorochromes for flow cytometric estimation of nuclear DNA content in plants. <i>Physiologia Plantarum</i> , <b>1992</b> , 85, 625-631	4.6	424
395	Ancient hybridizations among the ancestral genomes of bread wheat. <i>Science</i> , <b>2014</b> , 345, 1250092	33.3	419
394	Structural and functional partitioning of bread wheat chromosome 3B. <i>Science</i> , <b>2014</b> , 345, 1249721	33.3	397
393	Unlocking the barley genome by chromosomal and comparative genomics. <i>Plant Cell</i> , <b>2011</b> , 23, 1249-63	11.6	390
392	The transcriptional landscape of polyploid wheat. <i>Science</i> , <b>2018</b> , 361,	33.3	368
391	Two new nuclear isolation buffers for plant DNA flow cytometry: a test with 37 species. <i>Annals of Botany</i> , <b>2007</b> , 100, 875-88	4.1	317
390	A physical map of the 1-gigabase bread wheat chromosome 3B. <i>Science</i> , <b>2008</b> , 322, 101-4	33.3	316
389	Genome interplay in the grain transcriptome of hexaploid bread wheat. <i>Science</i> , <b>2014</b> , 345, 1250091	33.3	225

388	The pangenome of hexaploid bread wheat. <i>Plant Journal</i> , <b>2017</b> , 90, 1007-1013	6.9	206
387	Sex determination in dioecious plants <i>Melandrium album</i> and <i>M. rubrum</i> using high-resolution flow cytometry. <i>Cytometry</i> , <b>1995</b> , 19, 103-6		195
386	Plant Genome Size Estimation by Flow Cytometry: Inter-laboratory Comparison*1. <i>Annals of Botany</i> , <b>1998</b> , 82, 17-26	4.1	178
385	A 4-gigabase physical map unlocks the structure and evolution of the complex genome of <i>Aegilops tauschii</i> , the wheat D-genome progenitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 7940-5	11.5	173
384	Frequent gene movement and pseudogene evolution is common to the large and complex genomes of wheat, barley, and their relatives. <i>Plant Cell</i> , <b>2011</b> , 23, 1706-18	11.6	172
383	The wheat powdery mildew genome shows the unique evolution of an obligate biotroph. <i>Nature Genetics</i> , <b>2013</b> , 45, 1092-6	36.3	169
382	Rapid gene isolation in barley and wheat by mutant chromosome sequencing. <i>Genome Biology</i> , <b>2016</b> , 17, 221	18.3	163
381	Flow sorting of mitotic chromosomes in common wheat ( <i>Triticum aestivum</i> L.). <i>Genetics</i> , <b>2000</b> , 156, 2033-41		161
380	A reference genome for pea provides insight into legume genome evolution. <i>Nature Genetics</i> , <b>2019</b> , 51, 1411-1422	36.3	157
379	Flow cytometric estimation of nuclear DNA amount in diploid bananas ( <i>Musa acuminata</i> and <i>M. balbisiana</i> ). <i>Biologia Plantarum</i> , <b>1994</b> , 36, 351	2.1	156
378	Selfish supernumerary chromosome reveals its origin as a mosaic of host genome and organellar sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 13343-6	11.5	144
377	Reticulate evolution of the rye genome. <i>Plant Cell</i> , <b>2013</b> , 25, 3685-98	11.6	140
376	Plant centromeric retrotransposons: a structural and cytogenetic perspective. <i>Mobile DNA</i> , <b>2011</b> , 2, 4	4.4	135
375	A high-yield procedure for isolation of metaphase chromosomes from root tips of <i>Vicia faba</i> L. <i>Planta</i> , <b>1992</b> , 188, 93-8	4.7	133
374	Dissecting large and complex genomes: flow sorting and BAC cloning of individual chromosomes from bread wheat. <i>Plant Journal</i> , <b>2004</b> , 39, 960-8	6.9	131
373	Chromosome-based genomics in the cereals. <i>Chromosome Research</i> , <b>2007</b> , 15, 51-66	4.4	130
372	Estimation of nuclear DNA content in <i>Sesleria</i> (Poaceae). <i>Caryologia</i> , <b>1998</b> , 51, 123-132		130
371	The genome of cowpea ( <i>Vigna unguiculata</i> [L.] Walp.). <i>Plant Journal</i> , <b>2019</b> , 98, 767-782	6.9	128

370	Gene content and virtual gene order of barley chromosome 1H. <i>Plant Physiology</i> , <b>2009</b> , 151, 496-505	6.6	126
369	Flow cytometric analysis of nuclear DNA content in higher plants. <i>Phytochemical Analysis</i> , <b>1991</b> , 2, 143-154	1.5	123
368	Next-generation sequencing and syntenic integration of flow-sorted arms of wheat chromosome 4A exposes the chromosome structure and gene content. <i>Plant Journal</i> , <b>2012</b> , 69, 377-86	6.9	122
367	Comparison of four nuclear isolation buffers for plant DNA flow cytometry. <i>Annals of Botany</i> , <b>2006</b> , 98, 679-89	4.1	122
366	Rapid cloning of genes in hexaploid wheat using cultivar-specific long-range chromosome assembly. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 793-796	44.5	119
365	The wheat Sr50 gene reveals rich diversity at a cereal disease resistance locus. <i>Nature Plants</i> , <b>2015</b> , 1, 15186	11.5	117
364	Development of chromosome-specific BAC resources for genomics of bread wheat. <i>Cytogenetic and Genome Research</i> , <b>2010</b> , 129, 211-23	1.9	117
363	An Improved Consensus Linkage Map of Barley Based on Flow-Sorted Chromosomes and Single Nucleotide Polymorphism Markers. <i>Plant Genome</i> , <b>2011</b> , 4, 238-249	4.4	111
362	Nuclear DNA Content Measurement <b>2007</b> , 67-101		110
361	Flow cytometric and microscopic analysis of the effect of tannic acid on plant nuclei and estimation of DNA content. <i>Annals of Botany</i> , <b>2006</b> , 98, 515-27	4.1	109
360	Analysis and sorting of rye ( <i>Secale cereale</i> L.) chromosomes using flow cytometry. <i>Genome</i> , <b>2003</b> , 46, 893-905	2.4	106
359	In Depth Characterization of Repetitive DNA in 23 Plant Genomes Reveals Sources of Genome Size Variation in the Legume Tribe Fabaeae. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143424	3.7	104
358	Flow karyotyping and chromosome sorting in bread wheat ( <i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , <b>2002</b> , 104, 1362-1372	6	103
357	Toward positional cloning of Fhb1, a major QTL for Fusarium head blight resistance in wheat. <i>Cereal Research Communications</i> , <b>2008</b> , 36, 195-201	1.1	98
356	Pm21 from <i>Haynaldia villosa</i> Encodes a CC-NBS-LRR Protein Conferring Powdery Mildew Resistance in Wheat. <i>Molecular Plant</i> , <b>2018</b> , 11, 874-878	14.4	94
355	Construction of a map-based reference genome sequence for barley, <i>Hordeum vulgare</i> L. <i>Scientific Data</i> , <b>2017</b> , 4, 170044	8.2	93
354	Sequencing and assembly of low copy and genic regions of isolated <i>Triticum aestivum</i> chromosome arm 7DS. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 768-75	11.6	91
353	Nuclear genome size: are we getting closer?. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2010</b> , 77, 635-42	4.6	91

352	Coupling amplified DNA from flow-sorted chromosomes to high-density SNP mapping in barley. <i>BMC Genomics</i> , <b>2008</b> , 9, 294	4.5	90
351	Comparative analysis of syntenic genes in grass genomes reveals accelerated rates of gene structure and coding sequence evolution in polyploid wheat. <i>Plant Physiology</i> , <b>2013</b> , 161, 252-65	6.6	87
350	Improvement of the banana "Musa acuminata" reference sequence using NGS data and semi-automated bioinformatics methods. <i>BMC Genomics</i> , <b>2016</b> , 17, 243	4.5	82
349	BioNano genome mapping of individual chromosomes supports physical mapping and sequence assembly in complex plant genomes. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 1523-31	11.6	82
348	Sequencing wheat chromosome arm 7BS delimits the 7BS/4AL translocation and reveals homoeologous gene conservation. <i>Theoretical and Applied Genetics</i> , <b>2012</b> , 124, 423-32	6	79
347	High-resolution FISH on super-stretched flow-sorted plant chromosomes. <i>Plant Journal</i> , <b>2004</b> , 37, 940-50	6.9	78
346	Molecular mapping of stripe rust resistance gene Yr51 in chromosome 4AL of wheat. <i>Theoretical and Applied Genetics</i> , <b>2014</b> , 127, 317-24	6	77
345	Flow cytometric analysis of nuclear DNA content in Musa. <i>Theoretical and Applied Genetics</i> , <b>1999</b> , 98, 1344-1350	6	77
344	Induction and verification of autotetraploids in diploid banana (Musa acuminata) by in vitro techniques. <i>Euphytica</i> , <b>1996</b> , 88, 25-34	2.1	77
343	Development and Characterization of Microsatellite Markers from Chromosome 1-Specific DNA Libraries of Vicia Faba. <i>Biologia Plantarum</i> , <b>2002</b> , 45, 337-345	2.1	74
342	Refined examination of plant metaphase chromosome structure at different levels made feasible by new isolation methods. <i>Chromosoma</i> , <b>1993</b> , 102, 96-101	2.8	74
341	Chromosomes in the flow to simplify genome analysis. <i>Functional and Integrative Genomics</i> , <b>2012</b> , 12, 397-416	3.8	73
340	Repetitive part of the banana (Musa acuminata) genome investigated by low-depth 454 sequencing. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 204	5.3	73
339	A first survey of the rye ( <i>Secale cereale</i> ) genome composition through BAC end sequencing of the short arm of chromosome 1R. <i>BMC Plant Biology</i> , <b>2008</b> , 8, 95	5.3	73
338	Duplicative transfer of a MADS box gene to a plant Y chromosome. <i>Molecular Biology and Evolution</i> , <b>2003</b> , 20, 1062-9	8.3	72
337	Genome Size and its Uses: The Impact of Flow Cytometry <b>2007</b> , 153-176		70
336	Molecular and cytological characterization of the global Musa germplasm collection provides insights into the treasure of banana diversity. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 801-824	3.4	69
335	Assessment of ploidy stability of the somatic embryogenesis process in <i>Quercus suber</i> L. using flow cytometry. <i>Planta</i> , <b>2005</b> , 221, 815-22	4.7	69

334	Flow karyotyping and sorting of mitotic chromosomes of barley ( <i>Hordeum vulgare</i> L.). <i>Chromosome Research</i> , <b>1999</b> , 7, 431-44	4.4	68
333	Localization of seed protein genes on flow-sorted field bean chromosomes. <i>Chromosome Research</i> , <b>1993</b> , 1, 107-15	4.4	68
332	Rapid detection of aneuploidy in <i>Musa</i> using flow cytometry. <i>Plant Cell Reports</i> , <b>2003</b> , 21, 483-90	5.1	67
331	SNP Discovery for mapping alien introgressions in wheat. <i>BMC Genomics</i> , <b>2014</b> , 15, 273	4.5	66
330	Nuclear genome size and genomic distribution of ribosomal DNA in <i>Musa</i> and <i>Ensete</i> (Musaceae): taxonomic implications. <i>Cytogenetic and Genome Research</i> , <b>2005</b> , 109, 50-7	1.9	66
329	Heterogeneity of rDNA distribution and genome size in <i>Silene</i> spp. <i>Chromosome Research</i> , <b>2001</b> , 9, 387-94	4.4	64
328	Advanced resources for plant genomics: a BAC library specific for the short arm of wheat chromosome 1B. <i>Plant Journal</i> , <b>2006</b> , 47, 977-86	6.9	63
327	Plant Chromosome Analysis and Sorting by Flow Cytometry. <i>Critical Reviews in Plant Sciences</i> , <b>1994</b> , 13, 275-309	5.6	63
326	Genome constitution and evolution in <i>Lolium x Festuca</i> hybrid cultivars ( <i>Festulolium</i> ). <i>Theoretical and Applied Genetics</i> , <b>2006</b> , 113, 731-42	6	62
325	Flow Cytometry and Ploidy: Applications in Plant Systematics, Ecology and Evolutionary Biology <b>2007</b> , 103-130		62
324	Wheat syntenome unveils new evidences of contrasted evolutionary plasticity between paleo- and neoduplicated subgenomes. <i>Plant Journal</i> , <b>2013</b> , 76, 1030-44	6.9	61
323	Chromosome sorting in tetraploid wheat and its potential for genome analysis. <i>Genetics</i> , <b>2005</b> , 170, 823-9		61
322	Treatment of <i>Vicia faba</i> root tip cells with specific inhibitors to cyclin-dependent kinases leads to abnormal spindle formation. <i>Plant Journal</i> , <b>1998</b> , 16, 697-707	6.9	60
321	Cell cycle synchronization in plant root meristems. <i>Cytotechnology</i> , <b>1999</b> , 21, 95-107		60
320	Association of Tubulin with kinetochore/centromeric region of plant chromosomes. <i>Plant Journal</i> , <b>1998</b> , 14, 751-757	6.9	59
319	The ITS1-5.8S-ITS2 sequence region in the Musaceae: structure, diversity and use in molecular phylogeny. <i>PLoS ONE</i> , <b>2011</b> , 6, e17863	3.7	59
318	Advances in plant chromosome genomics. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 122-36	17.8	58
317	Flow cytogenetics and plant genome mapping. <i>Chromosome Research</i> , <b>2004</b> , 12, 77-91	4.4	57

316	Nuclear gamma-tubulin during acentriolar plant mitosis. <i>Plant Cell</i> , <b>2000</b> , 12, 433-42	11.6	57
315	Dispersion and domestication shaped the genome of bread wheat. <i>Plant Biotechnology Journal</i> , <b>2013</b> , 11, 564-71	11.6	55
314	Construction of a subgenomic BAC library specific for chromosomes 1D, 4D and 6D of hexaploid wheat. <i>Theoretical and Applied Genetics</i> , <b>2004</b> , 109, 1337-45	6	55
313	Semidwarfism in Wheat Is Due to Increased Expression and Reduced GA Content. <i>Plant Physiology</i> , <b>2018</b> , 177, 168-180	6.6	54
312	Preparation of HMW DNA from Plant Nuclei and Chromosomes Isolated from Root Tips. <i>Biologia Plantarum</i> , <b>2003</b> , 46, 369-373	2.1	54
311	Nuclear DNA content and in vitro induced somatic polyploidization cassava ( <i>Manihot esculenta</i> Crantz) breeding. <i>Euphytica</i> , <b>1994</b> , 76, 195-202	2.1	54
310	Flow karyotyping and sorting of <i>Vicia faba</i> chromosomes. <i>Theoretical and Applied Genetics</i> , <b>1993</b> , 85, 665-72	6	53
309	A multi gene sequence-based phylogeny of the Musaceae (banana) family. <i>BMC Evolutionary Biology</i> , <b>2011</b> , 11, 103	3	52
308	Development of a composite map in <i>Vicia faba</i> , breeding applications and future prospects. <i>Theoretical and Applied Genetics</i> , <b>2004</b> , 108, 1079-88	6	52
307	Chromosome sorting and PCR-based physical mapping in pea ( <i>Pisum sativum</i> L.). <i>Chromosome Research</i> , <b>2002</b> , 10, 63-71	4.4	52
306	First survey of the wheat chromosome 5A composition through a next generation sequencing approach. <i>PLoS ONE</i> , <b>2011</b> , 6, e26421	3.7	52
305	Subtraction with 3Pmodified oligonucleotides eliminates amplification artifacts in DNA libraries enriched for microsatellites. <i>BioTechniques</i> , <b>1998</b> , 25, 32-4, 36, 38	2.5	50
304	A chromosomal genomics approach to assess and validate the desi and kabuli draft chickpea genome assemblies. <i>Plant Biotechnology Journal</i> , <b>2014</b> , 12, 778-86	11.6	48
303	Did backcrossing contribute to the origin of hybrid edible bananas?. <i>Annals of Botany</i> , <b>2010</b> , 106, 849-57	4.1	48
302	Dissection of the nuclear genome of barley by chromosome flow sorting. <i>Theoretical and Applied Genetics</i> , <b>2006</b> , 113, 651-9	6	48
301	Mapping of repeated DNA sequences in plant chromosomes by PRINS and C-PRINS. <i>Theoretical and Applied Genetics</i> , <b>1997</b> , 94, 758-763	6	47
300	The bacterial artificial chromosome (BAC) library of the narrow-leaved lupin ( <i>Lupinus angustifolius</i> L.). <i>Cellular and Molecular Biology Letters</i> , <b>2006</b> , 11, 396-407	8.1	47
299	Nuclear genome stability of <i>Mammillaria san-angelensis</i> (Cactaceae) regenerants induced by auxins in long-term in vitro culture. <i>Plant Science</i> , <b>1999</b> , 141, 191-200	5.3	47

298	Creation of a BAC resource to study the structure and evolution of the banana ( <i>Musa balbisiana</i> ) genome. <i>Genome</i> , <b>2004</b> , 47, 1182-91	2.4	46
297	High-resolution flow karyotyping and chromosome sorting in <i>Vicia faba</i> lines with standard and reconstructed karyotypes. <i>Theoretical and Applied Genetics</i> , <b>1995</b> , 90, 797-802	6	46
296	Construction of chromosome-specific DNA libraries covering the whole genome of field bean ( <i>Vicia faba</i> L.). <i>Chromosome Research</i> , <b>1996</b> , 4, 531-9	4.4	46
295	Localization of male-specifically expressed MROS genes of <i>Silene latifolia</i> by PCR on flow-sorted sex chromosomes and autosomes. <i>Genetics</i> , <b>2001</b> , 158, 1269-77	4	46
294	Sequence-based analysis of translocations and inversions in bread wheat ( <i>Triticum aestivum</i> L.). <i>PLoS ONE</i> , <b>2013</b> , 8, e79329	3.7	45
293	A 3,000-loci transcription map of chromosome 3B unravels the structural and functional features of gene islands in hexaploid wheat. <i>Plant Physiology</i> , <b>2011</b> , 157, 1596-608	6.6	45
292	Development and mapping of DArT markers within the <i>Festuca - Lolium</i> complex. <i>BMC Genomics</i> , <b>2009</b> , 10, 473	4.5	44
291	A platform for efficient genotyping in <i>Musa</i> using microsatellite markers. <i>AoB PLANTS</i> , <b>2011</b> , 2011, plr0249		43
290	Development of microsatellite markers specific for the short arm of rye ( <i>Secale cereale</i> L.) chromosome 1. <i>Theoretical and Applied Genetics</i> , <b>2008</b> , 117, 915-26	6	43
289	Genome-wide analysis of repeat diversity across the family Musaceae. <i>PLoS ONE</i> , <b>2014</b> , 9, e98918	3.7	42
288	Next-generation survey sequencing and the molecular organization of wheat chromosome 6B. <i>DNA Research</i> , <b>2014</b> , 21, 103-14	4.5	41
287	Flow cytometric chromosome sorting in plants: the next generation. <i>Methods</i> , <b>2012</b> , 57, 331-7	4.6	41
286	Limited Genome Size Variation in <i>Sesleria albicans</i> . <i>Annals of Botany</i> , <b>2000</b> , 86, 399-403	4.1	41
285	Rye B chromosomes encode a functional Argonaute-like protein with <i>in vitro</i> slicer activities similar to its A chromosome paralog. <i>New Phytologist</i> , <b>2017</b> , 213, 916-928	9.8	40
284	A high density physical map of chromosome 1BL supports evolutionary studies, map-based cloning and sequencing in wheat. <i>Genome Biology</i> , <b>2013</b> , 14, R64	18.3	39
283	Subgenomic analysis of microRNAs in polyploid wheat. <i>Functional and Integrative Genomics</i> , <b>2012</b> , 12, 465-79	3.8	39
282	Dissecting the U, M, S and C genomes of wild relatives of bread wheat ( <i>Aegilops</i> spp.) into chromosomes and exploring their synteny with wheat. <i>Plant Journal</i> , <b>2016</b> , 88, 452-467	6.9	38
281	Challenges of flow-cytometric estimation of nuclear genome size in orchids, a plant group with both whole-genome and progressively partial endoreplication. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2015</b> , 87, 958-66	4.6	38



- 280 Primed in situ labelling facilitates flow sorting of similar sized chromosomes. *Plant Journal*, **1995**, 7, 1039-1044
- 279 Ploidy instability of embryogenic cucumber (*Cucumis sativus* L.) callus culture. *Biologia Plantarum*, **1996**, 38, 475 2.1 38
- 278 Chromosome isolation by flow sorting in *Aegilops umbellulata* and *Ae. comosa* and their allotetraploid hybrids *Ae. biuncialis* and *Ae. geniculata*. *PLoS ONE*, **2011**, 6, e27708 3.7 37
- 277 The physical map of wheat chromosome 1BS provides insights into its gene space organization and evolution. *Genome Biology*, **2013**, 14, R138 18.3 36
- 276 A novel resource for genomics of Triticeae: BAC library specific for the short arm of rye (*Secale cereale* L.) chromosome 1R (1RS). *BMC Genomics*, **2008**, 9, 237 4.5 36
- 275 Development of flow cytogenetics and physical genome mapping in chickpea (*Cicer arietinum* L.). *Chromosome Research*, **2002**, 10, 695-706 4.4 36
- 274 The *Agropyron cristatum* karyotype, chromosome structure and cross-genome homoeology as revealed by fluorescence in situ hybridization with tandem repeats and wheat single-gene probes. *Theoretical and Applied Genetics*, **2018**, 131, 2213-2227 6 35
- 273 Physical distribution of homoeologous recombination in individual chromosomes of *Festuca pratensis* in *Lolium multiflorum*. *Cytogenetic and Genome Research*, **2010**, 129, 162-72 1.9 35
- 272 Chromosome-scale genome assembly provides insights into rye biology, evolution and agronomic potential. *Nature Genetics*, **2021**, 53, 564-573 36.3 35
- 271 LTR retrotransposon dynamics in the evolution of the olive (*Olea europaea*) genome. *DNA Research*, **2015**, 22, 91-100 4.5 34
- 270 Whole-genome profiling and shotgun sequencing delivers an anchored, gene-decorated, physical map assembly of bread wheat chromosome 6A. *Plant Journal*, **2014**, 79, 334-47 6.9 34
- 269 Isolation of chromosomes from *Pisum sativum* L. hairy root cultures and their analysis by flow cytometry. *Plant Science*, **1998**, 137, 205-215 5.3 34
- 268 Effectiveness of three micropropagation techniques to dissociate cytochimeras in *Musa* spp. *Plant Cell, Tissue and Organ Culture*, **2001**, 66, 189-197 2.7 34
- 267 Proteomic analysis of barley cell nuclei purified by flow sorting. *Cytogenetic and Genome Research*, **2014**, 143, 78-86 1.9 33
- 266 Molecular analysis and genomic organization of major DNA satellites in banana (*Musa* spp.). *PLoS ONE*, **2013**, 8, e54808 3.7 33
- 265 Cytogenetics of *Festulolium* (*Festuca* x *Lolium* hybrids). *Cytogenetic and Genome Research*, **2008**, 120, 370-83 1.9 33
- 264 Endopolyploidy in Plants and its Analysis by Flow Cytometry **2007**, 349-372 33
- 263 Flow cytometric analysis of nuclear genome of the Ethiopian cereal tef [*Eragrostis tef* (Zucc.) Trotter]. *Genetica*, **1996**, 98, 211-215 1.5 33

262	Genomic Prediction in a Multiploid Crop: Genotype by Environment Interaction and Allele Dosage Effects on Predictive Ability in Banana. <i>Plant Genome</i> , <b>2018</b> , 11, 170090	4.4	33
261	Mapping nonrecombining regions in barley using multicolor FISH. <i>Chromosome Research</i> , <b>2013</b> , 21, 739-514	4.4	32
260	A major invasion of transposable elements accounts for the large size of the <i>Blumeria graminis</i> f.sp. <i>tritici</i> genome. <i>Functional and Integrative Genomics</i> , <b>2011</b> , 11, 671-7	3.8	32
259	Analysis of nuclear DNA content and ploidy in higher plants. <i>Current Protocols in Cytometry</i> , <b>2001</b> , Chapter 7, Unit 7.6	3.6	32
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254	DArT whole genome profiling provides insights on the evolution and taxonomy of edible Banana ( <i>Musa</i> spp.). <i>Annals of Botany</i> , <b>2016</b> , 118, 1269-1278	4.1	31
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